

AMENDMENTS TO THE SPECIFICATION

In the Specification:

Replace the first complete paragraph on page 2 of the specification with the following amended paragraph:

However, in a simple structure for storing data for each combination of image data, a large-capacity memory of about 400 ~~Mbit~~ Mbytes must be used. For example, even in the case of a compression method for memory capacity disclosed in Japanese Patent Kokai Publication No. S63-227181, memory capacity is about 5 ~~Mbit~~ Mbytes. Therefore, a problem inherent in the table conversion system is that since a large-capacity memory is necessary for each conversion characteristic, it is difficult to implement the method by means of an LSI, and it is also impossible to deal with changes in the condition under which the conversion is carried out.

Replace the last paragraph on page 10 of the specification with the following amended paragraph:

It may be so configured that

said coefficient generating means generates predetermined matrix coefficients E_{ij} ($i = 1$ to 3 , $j = 1$ to 3), and F_{ij} ($i = 1$ to 3 , $j = 1$ to 18), and

said third calculation means performs the calculation using the hue data, said ~~said~~ first comparison-result data, said second comparison-result data, said calculation result data, said minimum value α from said calculating means, and said matrix coefficients

to determine the third set of three color data representing red, green and blue, denoted by R_o , G_o and B_o , in accordance with the following formula (1):

Replace the last paragraph on page 11 of the specification with the following amended paragraph:

said third calculation means performs the calculation using the hue data, said ~~said~~ first comparison-result data, said second comparison-result data, said calculation result data, said minimum value α from said calculating means, and said matrix coefficients to determine the third set of three color data representing cyan, magenta and yellow denoted by C_o , M_o and Y_o , in accordance with the following formula (2):

Replace the last paragraph on page 12 of the specification with the following amended paragraph:

said third calculation means performs the calculation using the hue data, said ~~said~~ first comparison-result data, said second comparison-result data, said calculation result data, said minimum value α from said calculating means, and said matrix coefficients to determine the third set of three color data representing red, green and blue, denoted by R_o , G_o and B_o , in accordance with the following formula (3):

Replace the last paragraph on page 13 of the specification with the following amended paragraph:

said third calculation means performs the calculation using the hue data, said ~~said~~ first comparison-result data, said second comparison-result data, said calculation result data, said minimum value α from said calculating means, and said matrix coefficients to determine the third set of three color data representing cyan, magenta and yellow denoted by Co, Mo and Yo, in accordance with the following formula (4):

Replace the last paragraph on page 24 of the specification with the following amended paragraph:

Next, the operation will be described. The inputted image data Ri, Gi and Bi corresponding to the three colors of red, green and blue are sent to the minimum and maximum calculator 1 and the hue data calculator 2. The minimum and maximum calculator 1 calculates and outputs a maximum value β and a minimum value α of the inputted image data Ri, Gi and Bi, and also generates and outputs an identification code S1 for indicating, among the six hue data, data ~~data~~ which are zero.